

CLAIMS:

1. A security system for networks, particularly wireless networks, comprising
- a portable unit (1, 13, 101) with a key unit (3, 103) for making a key record (4,
17, 104) available and being provided for short-range information transmission of the key
record (4, 17, 104), and
- 5 - at least one receiving unit (7, 107) in at least one apparatus (2, 102) of the
network, comprising a receiver (9) for receiving the key record (4, 17, 104) and an evaluation
component (11) of the apparatus for storing, processing and/or passing on the key record (4,
17, 104) or a part of the key record to a second component.
- 10 2. A security system as claimed in claim 1, characterized in that the unit (1, 13,
101) comprises at least one triggering unit (5, 15, 105a, 105b, 105c) for triggering a short-
range transmission of information, particularly a short-range information transmission of the
key record (4, 17, 104).
- 15 3. A security system as claimed in claim 1 or 2, characterized in that, upon a
user's approach to the receiving unit (7, 107), a detector unit in the unit (1, 13, 101) triggers
the short-range information transmission of the key record (4, 17, 104).
- 20 4. A security system as claimed in any one of claims 1 to 3, characterized in that
the key unit (3) comprises a key generator (14) for generating a sequence of guest key
records (17).
- 25 5. A security system as claimed in any one of claims 1 to 4, characterized in that
the apparatus (2, 102) is provided for erasing the key record (17, 104).
6. A security system as claimed in any one of claims 1 to 5, characterized in that
the key record (4, 17, 104) consists of a bit sequence.

7. A security system as claimed in claim 6, characterized in that the bit sequence comprises characterizing bits used for distinguishing and characterizing key records (4, 17, 104).

5 8. A security system as claimed in any one of claims 1 to 7, characterized in that the unit (1, 13, 101) is a part of an apparatus, particularly a remote control unit.

9. A security system as claimed in any one of claims 1 to 8, characterized in that the key record (4, 17, 104) is supplied during or before a network configuration, particularly 10 an automatic network configuration, of an apparatus (2, 102).

10. 10. A security system as claimed in any one of claims 1 to 9, characterized in that the apparatus (2, 102) is provided for authentication, encryption and/or decryption, by means of a key in the key record (4, 17, 104), of useful data (109) transmitted between the 15 apparatuses of the network.

11. A security system as claimed in any one of claims 1 to 10, characterized in that the key unit comprises a memory (3, 103a) for storing a worldwide unambiguous key record (4, 104).

20 12. A security system as claimed in any one of claims 1 to 11, characterized in that the key unit (103) comprises a reading device (107) for reading a mobile data memory, particularly a chip card (108) having a decoding key record (104) stored thereon.

25 13. A security system as claimed in claim 12, characterized in that the key unit (3) comprises a writing device (107) for writing data into the mobile data memory (108).

14. A security system as claimed in any one of claims 1 to 13, characterized in that the unit (101) and the apparatus (2, 102) are adapted to transmit a confirmation (104') by 30 the apparatus (2, 102) to the unit (101), indicating the consequence of performing an instruction transmitted from the unit (101) to the apparatus (2, 102).

15. A security system as claimed in claim 14, characterized in that the confirmation (104') comprises an identification code for the apparatus (2, 102).

16. A security system as claimed in claim 13, characterized in that the key unit (3) is adapted to

- store useful data in the mobile data memory (108), allowing the management of key records (104) read from the data memory (108) and installed on apparatuses (2, 102), and
- block the transmission of a key record (104) from the mobile data memory (108) to an apparatus (2, 102) in case said useful data comply with a predetermined criterion.

10 17. A security system as claimed in claim 5, characterized in that the unit (101) comprises a triggering unit (105c) whose activation causes the apparatus (2, 102) to erase a key record (104).

15 18. A portable unit (1, 13, 101) for installing a key in at least one apparatus (2, 102) of a wireless network comprising a key unit (3, 103) for providing a key record (4, 17, 104) which is provided for short-range information transmission of the key record.

20 19. An electric apparatus (2, 102) with a receiving unit (7, 107) comprising a receiver (9) for receiving a key record (4, 17, 104) and an evaluation component (11) of the apparatus (2, 102) for storing, processing and/or passing on the key record or a part of the key record to a second component (10).